



Biodiversity, Biogeography & Ecology

TOWARDS A CONVINCING AND UPDATED ASSESSMENT OF ITALIAN DERMAPTERA

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Dermaptera are a well-studied group of insects in Italy since long time. Many Italian entomologists contributed to the knowledge of worldwide as well European Dermaptera: Franco Andrea Bonelli (1784-1830), Carlo Gené (1836-1890), Alfredo Borelli (1857-1943), Felice Capra (1896-1991) and Antonio Galvagni (1924-2015) in the past and nowadays Augusto Vigna Taglianti and Paolo Fontana. Dermaptera are in general well-known in Italy both from a taxonomic point of view as well for what is regarding their distribution and ecology. The Checklist of the Italian Dermaptera (<http://www.faunaitalia.it/checklist/>), compiled and updated by Augusto Vigna Taglianti, numbers 4 Families (Anisolabididae, Labiduridae, Labiidae and Forficulidae), 11 genera and 26 species (8 of them strictly endemic to Italy) plus one (*Forficula smyrnensis* Audinet-Serville, 1839), recently recorded for Italy and probably introduced (Tirello et al., in press).

The Italian Dermaptera up to date known are then the following species (endemic species are underlined):

Anisolabis maritima (Bonelli in Gené, 1832)
Euborellia annulipes (Lucas, 1847)
Euborellia moesta (Gené, 1837)
Euborellia stali (Dohrn, 1864)
Nata lividipes (Dufour, 1820)
Labidura riparia (Pallas, 1773)
Labia minor (Linnaeus, 1758)
Anechura bipunctata (Fabricius, 1781)
Chelidura aptera (Megerle in Charpentier, 1825)
Chelidurella acanthopygia (Gené, 1832)
Chelidurella caprai Vigna Taglianti, 1993
Chelidurella mutica (Krauss, 1886)
Chelidurella poggii Capra, 1982

Chelidurella thaleri Harz, 1980
Chelidurella vignai Galvagni, 1995
Chelidurella fontanae Galvagni, 1996
Pseudochelidura orsinii (Gené, 1833)
Pseudochelidura galvagnii Vigna Taglianti, 1999
Apterygida albipennis (Megerle in Charpentier, 1825)
Forficula apennina Costa, 1881
Forficula auricularia Linnaeus, 1758
Forficula decipiens Gené, 1832
Forficula obtusangula Krauss, 1904
Forficula pubescens Gené, 1837
Forficula silana Costa, 1881
Forficula smyrnensis Audinet-Serville, 1839

The genus *Chelidurella* Verhoeff, 1902 have been revised by Antonio Galvagni (1997) who confirmed the validity of the genus and the presence of 7 species in Italy. The work of Galvagni, based on male morphology, have been recently mostly confirmed by morphological as well molecular approaches in study conducted by Kirstová, Kundera and Kočárek (in press). The same research confirmed the validity of the genus *Mesochelidura* Verhoeff, 1902 considered synonym of *Chelidura* Latreille, 1825 by many authors as well as in the Fauna Europaea. After the resolution of the problems within the genus *Chelidurella*, the genus *Chelidura* remains to be revised. The main problem for such a revision is given by the type locality of the type species of the genus, *Chelidura aptera*, which is simply and tragically "Europe". Also the study of this genus, should be managed with a molecular approach too.

Key Words: Dermaptera, Italian Fauna, Checklist, *Chelidurella*, *Chelidur*.

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